CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF SEPTEMBER 17, 2013

Item 21, Report No. 35, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on September 17, 2013.

21 SELECTION OF ENGINEERING CONSULTANT FOR STORM WATER MANAGEMENT FACILITY IN GALLANOUGH PARK RFP13-185 WARD 5

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Commissioner of Engineering and Public Works and the Director of Engineering Services, dated September 3, 2013:

Recommendation

The Commissioner of Engineering and Public Works and the Director of Engineering Services, in consultation with the Director of Budgeting and Financial Planning recommends:

1) That RFP13-185 to provide engineering services for a Storm Water Management (SWM) Facility in Gallanough Park, be awarded to Cole Engineering Group Ltd. in the estimated amount of $91,965.00, plus applicable taxes and administration recovery; and

2) That the following project cost, plus applicable taxes, be approved:

   a) A contingency allowance in the amount of $14,000.00, plus applicable taxes and administration recovery be approved within which the Commissioner of Engineering and Public Works, or his designate is authorized to approve amendments to this contract;

   b) That funding in the sum of $122,000.00, including all contingency allowance, applicable taxes and administration recovery be approved from Capital Project No. EN-1879-12.

Contribution to Sustainability

Following the completion of the Thornhill Drainage Study and the Class EA for Gallanough Park, the procurement of consulting services for the detail design is the next step that will lead to the construction of a SWM facility that will reduce the risk of flooding on the public and private properties downstream of the park and will ensure that an acceptable level of service for the City's infrastructure is maintained for the health and well-being of its citizens.

Economic Impact

The total project cost of $122,000.00, which includes a contingency allowance, administration recovery and applicable taxes falls within the approved budget and as such, there is no additional economic impact to the 2012 Capital Project No. EN-1879-12.

Communication Plan

Staff will advise Mayor and Members of Council and will distribute a notice of project to the affected residents once the consultant assignment is awarded.

Purpose

To obtain approval to retail Cole Engineering Group Ltd. for consulting services for Storm Water Management Facility in Gallanough Park (RFP13-185).

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Background – Analysis and Options

The Thornhill Storm Drainage Improvement Study was completed in 2008 and identified potential system improvements

As a result of the flooding history in the Thornhill area and the major flooding that occurred on August 19, 2005, the City initiated a study to investigate and assess the existing drainage infrastructure and to identify any drainage system deficiencies in the Thornhill neighbourhood, located on the southwest corner of Yonge Street and Centre Street. The study included an assessment of existing conditions and provided alternative solutions in the preparation of a storm water management plan.

A Public Information Centre was held on February 20, 2007, to present the purpose and objectives of the study and to solicit public input. The study identified a number of deficiencies in the drainage system as well as the restriction in the Brooke Street trunk sewer that was subject to surcharging during large storm events. The surcharging of the trunk sewer was a major contributor to the flooding in the vicinity of Arnold Street and Brooke Street. One of the recommended drainage improvements from the study was to construct a storm water management facility in Gallanough Park to reduce peak flows in the Brooke Street trunk sewer.

A Class EA was undertaken by the City to explore the implementation of a storm water management facility in Gallanough Park

In 2009, the City initiated a Class Environmental Assessment (Class EA) to explore a storm water management facility within Gallanough Park. The objective of this Class EA was to review alternatives for establishing a flood control facility within the park and develop an implementation plan for minimizing the risk of flooding.

During the Class EA, a set of alternative solutions were evaluated and presented to the public and external agencies for comments. A Public Information Centre was held on February 25, 2010, to present the preferred alternative being a storm water management facility in Gallanough Park as well as other major modifications required. A by-pass sewer was also recommended to alleviate flooding on Thornridge Drive and Arnold Avenue (from Brooke Street to Yonge Street) and to free up capacity in the Brooke Street trunk sewer. The by-pass sewer will be reviewed following the construction of the SWM facility.

Based on system modeling, the existing storm sewer system in this area has the capacity to provide protection for a 2 year storm. When both the SWM Facility and by-pass sewers have been constructed, the improved storm sewer system in this area will provide additional protection to manage flows for larger storm events. These enhancements will create capacity in the Brooke Street trunk sewer by reducing peak flows. The ultimate level of protection provided by the system improvements will be determined through the detail design of both the SWM Facility and by-pass sewers.

The Development/Transportation Engineering Department is currently finalizing the City-wide Phase II Drainage Study, Flood Vulnerable Sites. This report reconfirmed the need to construct the SWM Facility in Gallanough Park and the by-pass sewers that were previously identified through the Class EA.

Proposals were evaluated and staff recommends that the SWM detail design for Gallanough Park be awarded to Cole Engineering Group Ltd.

A request for proposal for the Consulting Services for storm water management facility in

Gallanough Park was advertised on the City Page, Biddingo and Ontario Public Buyers Association (OPBA) website on May 2, 2013. In response to the RFP, twelve (12) RFP packages were picked up from the Purchasing Services Department. Upon closing on May 16, 2013, ten (10) proposal submissions were received.

An evaluation meeting was held on July 17, 2013, with the review committee, comprising of representatives from Engineering Services and Purchasing Services.
A standardized scoring and ranking system was used for the proposal as follows:

- 20 points available for understanding and project approach;
- 25 points available for work plan and project management;
- 35 points available for firm qualification and staff experience; and
- 20 points available for engineering fees.

Cole Engineering Group Ltd. scored the highest number of points during the evaluation process. Based on the evaluation of the proposals, it is recommended that the proposal from Cole Engineering Group Ltd. be accepted and that an Engineering Agreement be executed.

The total cost for professional engineering services for this project, including contingency allowance, applicable taxes and administration recovery is calculated as follows:

Cole Engineering Group Ltd.	$ 91,965.00
Contingency Allowance (approximately 15%)	$ 14,000.00
Geotechnical and Material Testing (estimated)	$ 10,000.00
Sub-Total	$115,965.00
H.S.T. (1.76%) (not recoverable)	$ 2,040.98
Total	$118,005.98
Administration Recovery (3%)	$ 3,540.18
Net Total Cost	$121,546.16

ROUNDED $122,000.00

PROJECT FUNDING POSITION SUMMARY	
CAPITAL PROJECT	EN-1879-12
Approved Budget	$650,000.00
Less: Expenses and Commitments to Date	$(45,384.00)
Current Funds Remaining	$604,616.00
Less: Net Total Cost	$122,000.00
Balance Remaining	$482,616.00

The project is considered to be moderate in complexity and duration with a well-defined scope. Therefore, a contingency allowance of 15% has been identified as an appropriate amount to address any unforeseen work in completing the scope of this project. All remaining funds for this assignment of the project will be applied toward the budget for the construction phase of the project.

Cole Engineering Group Ltd. has completed similar projects in the past of similar scope and is deemed qualified to undertake this assignment. Therefore, it is appropriate to award this assignment to Cole Engineering Group Ltd.

Relationship to Vaughan Vision 2020/Strategic Plan

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations of this report will assist in enhancing and maintaining community safety, health and wellness, by ensuring that an appropriate level of service are maintained for the local residents.

Regional Implications

Not Applicable.

Conclusion

Staff recommends that this assignment be awarded to Cole Engineering Group Ltd. in the amount of $91,965.00, plus applicable taxes and administration recovery.

Attachments

1. Location Map

Report prepared by:

Pat Marcantonio, C.E.T., Project Manager, ext. 8468
Paolo Massaro, P. Eng., Manager (Acting), Design Services, ext. 8446

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

COMMITTEE OF THE WHOLE – SEPTEMBER 3, 2013

SELECTION OF ENGINEERING CONSULTANT
FOR STORM WATER MANAGEMENT FACILITY
IN GALLANOUGH PARK
RFP13-185
WARD 5

Recommendation

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Contribution to Sustainability

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Economic Impact

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Communication Plan

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Regional Implications

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Conclusion

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1. Location Map

Report prepared by:

Pat Marcantonio, C.E.T., Project Manager, ext. 8468
Paolo Massaro, P. Eng., Manager (Acting), Design Services, ext. 8446

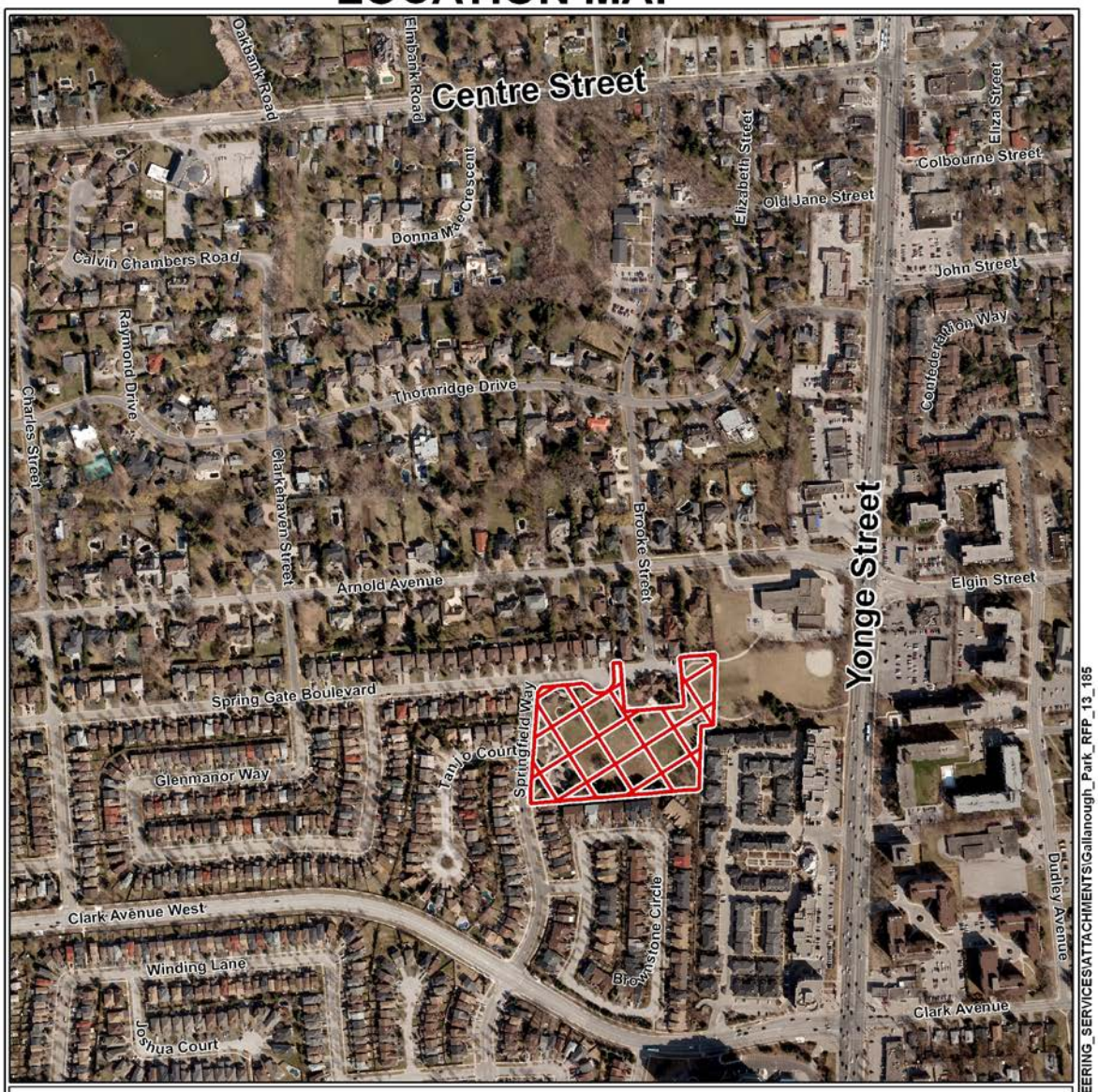
Respectfully submitted,

Paul Jankowski, P. Eng.
Commissioner of Engineering and Public Works

Jack Graziosi, P. Eng.
Director of Engineering Services

PM:mm

LOCATION MAP



STORM WATER MANAGEMENT FACILITY IN GALLANOUGH PARK RFP 13-185

LEGEND

Gallanough Park

Note: Aerial photography acquired in spring, 2011

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NOT TO SCALE

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CITY OF VAUGHAN - ENGINEERING SERVICES DEPARTMENT

DRAFTSPERSON: B.R